SUBMISSION ID: 467131

FACILITY: Dovetail Energy LLC - Anaerobic

LOCATION: Digestion Facility
1146 Herr Rd

Fairborn, OH 45324

COUNTY: Greene
DISTRICT: SWDO

STATUS: Revision
PERMIT NUMBER: 11N00305*AD

STATION CODE: 581 MONITORING PERIOD:

2014-12-01 To: 2014-12-31

REPORTING LAB: Masi Environmental **ANALYST:** Dennis Hooker

PARAMETER	Biochemical Oxygen Demand, 5 Day	рН	Oil and Grease, Hexane Extr Method	Ammonia (NH3) In Sludge	Nitrogen Kjeldahl, Total In Sludge	Phosphorus Total in Sludg	
PARAMETER CODE	00310	00400	00552	00611	00627	00668	00938
UNITS	mg/l	S.U.	mg/l	mg/kg	mg/kg	mg/kg	mg/kg
FREQUENCY	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month
SAMPLING TYPE	Composite	Composite	Composite	Composite	Composite	Composite	Composite
2014-12-01							
2014-12-02							
2014-12-03							
2014-12-04							
2014-12-05							
2014-12-06	4790	7.81	5900	59500	95100	7380	17400
2014-12-07							
2014-12-08							
2014-12-09							
2014-12-10							
2014-12-11 2014-12-12							
2014-12-12							
2014-12-14							
2014-12-15							
2014-12-16	***************************************	annasaannasaannasaannannannannannannanna		***************************************	***************************************	***************************************	***************************************
2014-12-17		***************************************					
2014-12-18							
2014-12-19							
2014-12-20							
2014-12-21							
2014-12-22			-				
2014-12-23			-				
2014-12-24 2014-12-25		***************************************		***************************************	~~~~~	***************************************	
2014-12-25							
2014-12-27			1				
2014-12-28							
2014-12-29							
2014-12-30							
2014-12-31							
Minimum	4790.0	7.81	5900.0	59500.0	95100.0	7380.0	17400.0
Maximum	4790.0	7.81	5900.0	59500.0	95100.0	7380.0	17400.0
Average	4790	000000000000000000000000000000000000000	5900	59500	95100	7380	17400
Count	1	1	1	1	1	1	1
Name of Responsible I certify under the penalty of law that I Official or Authorized have personally examined and am familiar with the information submitted herein and based on my				I Signature o Authori	f Responsible zed Represent	Official or ative	Submission Date/Time
inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.				ee			Certification Version Date 2015-01- 21 15:01

Page 1

SUBMISSION ID:

FACILITY: LOCATION: 467131 Dovetail Energy LLC - Anaerobic Digestion Facility 1146 Herr Rd

Fairborn, OH 45324

Greene

SWDO

COUNTY: DISTRICT: STATUS: Revision 1IN00305*AD **PERMIT NUMBER:**

STATION CODE: **MONITORING PERIOD:**

2014-12-01 To: 2014-12-31

REPORTING LAB: Masi Environmental ANALYST: Dennis Hooker

581

PARAMETER	Arsenic, Total In Sludge	Cadmium, Total In Sludge	Copper, Total In Sludge	Lead, Total In Sludge	Nickel, Total In Sludge	Zinc, Total I Sludge	n Selenium, Total In Sludge
PARAMETER CODE	01003	01028	01043	01052	01068	01093	01148
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
FREQUENCY	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month
SAMPLING							
TYPE	Composite	Composite	Composite	Composite	Composite	Composite	Composite
2014-12-01							
2014-12-02							
2014-12-03							
2014-12-04				***************************************			
2014-12-05		<u></u>					
2014-12-06	13	11	320	7	10	836	4
2014-12-07							
2014-12-08 2014-12-09							
2014-12-10							
2014-12-10							
2014-12-12							
2014-12-13		İ					
2014-12-14		<u> </u>					
2014-12-15							
2014-12-16							
2014-12-17							
2014-12-18							
2014-12-19							
2014-12-20	***************************************			***************************************		200000000000000000000000000000000000000	
2014-12-21		!					
2014-12-22 2014-12-23		-					
2014-12-23		<u> </u>					
2014-12-25							
2014-12-26							
2014-12-27							
2014-12-28							
2014-12-29							
2014-12-30				***************************************			
2014-12-31							
Minimum	13.0	1.0	320.0	7.0	10.0	836.0	4.0
Maximum	13.0	1.0	320.0	7.0	10.0	836.0	4.0
Average	13	1	320	7	10	836	
Count	1	1	1 1	1	1	1	1
Name of Responsible I certify under the penalty of law that I Official or Authorized have personally examined and am familiar with the information submitted herein and based on my					of Responsible (ized Represent		Submission Date/Time
Bruce B	inquir immed the inf submit and co are sig false in	y of those indivi liately responsil formation, I beli- tted information mplete. I am aw	iduals ple for obtaining eve the is true, accurate are that there es for submitting uding the	ż			Certification Version Date 2015-01- 21 15:01

Page 2

SUBMISSION ID:

467131 Dovetail Energy LLC - Anaerobic Digestion Facility 1146 Herr Rd **FACILITY:**

LOCATION:

Fairborn, OH 45324

COUNTY: Greene DISTRICT: SWDO

STATUS: Revision 1IN00305*AD **PERMIT NUMBER:**

STATION CODE: 581 **MONITORING PERIOD:**

2014-12-01 To: 2014-12-31 **REPORTING LAB:** Masi Environmental

ANALYST: Dennis Hooker

PARAMETER	Fecal Coliform in Sludge	Sludge Fee Weight	Sludge Weight	Sludge Solids, Percent Total	Mercury, Total In Sludge	Molybdenum Sludge	In
PARAMETER CODE	31641	51129	70316	70318	71921	78465	
UNITS	MPN/G	dry tons	Dry Tons	%	mg/kg	mg/kg	
FREQUENCY	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month	
SAMPLING							
TYPE	Composite	Total	Total	Composite	Composite	Composite	
2014-12-01							
2014-12-02		*******************************		******************************			
2014-12-03							
2014-12-04							
2014-12-05							
2014-12-06	1451	64	135	7.08	AA 0.03	10	
2014-12-07			-				
2014-12-08 2014-12-09						-	
2014-12-10							
2014-12-10							
2014-12-12							
2014-12-13							
2014-12-14			1				
2014-12-15							
2014-12-16							
2014-12-17							
2014-12-18							
2014-12-19							
2014-12-20							
2014-12-21							
2014-12-22							
2014-12-23							
2014-12-24							
2014-12-25							
2014-12-26							
2014-12-27			-				
2014-12-28							
2014-12-29	***************************************			***************************************	***************************************	*******************************	
2014-12-30 2014-12-31				***************************************			
***************************************	2452.0	24.5	135.0	7.00			
Minimum	1451.0	64.0	135.0	7.08	0.0	10.0	
Maximum	1451.0	64.0	135.0	7.08	0.0	10.0	
Average Count	1451 1	64 1	135 1	7.08 1	<u>0</u> 1	10 1	***************************************
					·		Submission
Name of Responsible I certify under the penalty of law that I Official or Authorized have personally examined and am familiar with the information submitted herein and based on my				I Signature o Author	Submission Date/Time		
inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the				e			Certification Version Date 2015-01- 21 15:01

Page 3

SUBMISSION ID: 467131 STATUS: Revision

FACILITY: Digestion Facility PERMIT NUMBER: 11N00305*AD

LOCATION: 1146 Herr Rd **STATION CODE:** 584

Fairborn, OH 45324 MONITORING PERIOD :

COUNTY: Greene REPORTING LAB: DISTRICT: SWDO ANALYST:

NO DISCHARGE INDICATOR: AL

			N	IO DISCHARGE IN	IDICATOR:	AL	
PARAMETER	Biochemical Oxygen Demand, 5 Day	рН	Oil and Grease, Hexane Extr Method	Ammonia (NH3) In Sludge	Nitrogen Kjeldahl, Total In Sludge	Phosphoru Total In Slud	s, Potassium In ge Sludge
PARAMETER CODE	00310	00400	00552	00611	00627	00668	00938
UNITS	mg/l	S.U.	mg/l	mg/kg	mg/kg	mg/kg	mg/kg
FREQUENCY	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month
SAMPLING							
TYPE	Composite	Composite	Composite	Composite	Composite	Composite	e Composite
2014-12-01							
2014-12-02							
2014-12-03							
2014-12-04							
2014-12-05							
2014-12-06							
2014-12-07					***************************************		
2014-12-08					***************************************	.	
2014-12-09		***************************************	_			 	
2014-12-10							
2014-12-11			_	<u> </u>		 	
2014-12-12 2014-12-13						 	
2014-12-13							
2014-12-14							
2014-12-16							
2014-12-17			-			 	
2014-12-18				.			
2014-12-19		***************************************					
2014-12-20							
2014-12-21							
2014-12-22							
2014-12-23							
2014-12-24							
2014-12-25							
2014-12-26							
2014-12-27							
2014-12-28							
2014-12-29							
2014-12-30							
2014-12-31							
Minimum							
Maximum							
Average							
Count							
Name of Resp Official or Aut Represent	aramma.	y under the pe ersonally exam r with the info ted herein and	ined and am rmation	t I Signature o Authori	f Responsible ized Represent		Submission Date/Time
Bruce B	inquiry immed the info submit and corare signates in false in fals	of those indivitely responsion or mation, I belied the desired information of the desired information of the desired information, incomplete. I am authorized incomplete incompl	iduals ble for obtainin ieve the n is true, accura vare that there ies for submittir	te ng			Certification Version Date 2015-01- 21 15:01

Page 4

2014-12-01 To: 2014-12-31

467131 Dovetail Energy LLC - Anaerobic Digestion Facility 1146 Herr Rd SUBMISSION ID: STATUS: **FACILITY:**

PERMIT NUMBER: LOCATION: STATION CODE:

MONITORING PERIOD: Fairborn, OH 45324

COUNTY: Greene **REPORTING LAB:**

DISTRICT: SWDO ANALYST:

NO DISCHARGE INDICATOR: AL

Revision

584

1IN00305*AD

2014-12-01 To: 2014-12-31

PARAMETER	Arsenic, Total In Sludge	Cadmium, Total In Sludge	Copper, Total In Sludge	Lead, Total In Sludge	Nickel, Total In Sludge	Zinc, Total I Sludge	n Selenium, Total In Sludge
PARAMETER CODE	01003	01028	01043	01052	01068	01093	01148
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
FREQUENCY	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month	1/Month
SAMPLING						·	
TYPE	Composite	Composite	Composite	Composite	Composite	Composite	Composite
2014-12-01							
2014-12-02							
2014-12-03							
2014-12-04		!		***************************************			
2014-12-05				***************************************			
2014-12-06		-					
2014-12-07							
2014-12-08 2014-12-09							
2014-12-09							
2014-12-10				***************************************			
2014-12-12							
2014-12-13		1					
2014-12-14		1	[
2014-12-15							
2014-12-16							
2014-12-17							
2014-12-18							
2014-12-19							
2014-12-20							
2014-12-21		 	ļ				
2014-12-22		 					
2014-12-23 2014-12-24							
2014-12-25							
2014-12-26							
2014-12-27							
2014-12-28		†					
2014-12-29							
2014-12-30							
2014-12-31				***************************************			
Minimum							
Maximum							
Average							
Count							
Name of Responsible I certify under the penalty of law that I Official or Authorized have personally examined and am familiar with the information submitted herein and based on my				I Signature of Author	f Responsible (ized Represent	Official or ative	Submission Date/Time
Bruce B	inquir immed the inf submid and co are sig false in	y of those individiately responsile formation, I belicted information or mplete. I am aw	iduals ble for obtaining eve the is true, accurate vare that there es for submitting uding the	Э			Certification Version Date 2015-01- 21 15:01

Page 5

Revision

2014-12-01 To: 2014-12-31

467131 Dovetail Energy LLC - Anaerobic Digestion Facility 1146 Herr Rd SUBMISSION ID: STATUS:

1IN00305*AD **FACILITY: PERMIT NUMBER:**

LOCATION: STATION CODE: 584 **MONITORING PERIOD:** Fairborn, OH 45324

COUNTY: Greene **REPORTING LAB:**

DISTRICT: SWDO ANALYST: **NO DISCHARGE INDICATOR:** AL

				J DISCHARGE II		AL	
PARAMETER	Fecal Coliform in Sludge	Sludge Fee Weight	Sludge Weight	Mercury, Total In Sludge	Molybdenum In Sludge		
PARAMETER CODE	31641	51129	70316	71921	78465		
UNITS	MPN/G	dry tons	Dry Tons	mg/kg	mg/kg		
FREQUENCY	1/Month	1/Month	1/Month	1/Month	1/Month		
SAMPLING	Multiple Grab	Total	Total	Composite	Commercia		
TYPE	Multiple Grab	IULAI	TOLAI	Composite	Composite		
2014-12-01							
2014-12-02							
2014-12-03							
2014-12-04							
2014-12-05							
2014-12-06		***************************************					
2014-12-07 2014-12-08			-				
2014-12-08							
2014-12-10		***************************************					
2014-12-11							
2014-12-12							
2014-12-13							
2014-12-14							
2014-12-15							
2014-12-16							
2014-12-17							
2014-12-18							
2014-12-19							
2014-12-20				***************************************			
2014-12-21							
2014-12-22							
2014-12-23							
2014-12-24							
2014-12-25 2014-12-26							
2014-12-26			-				
2014-12-28	li						
2014-12-29							
2014-12-30				***************************************			
2014-12-31							
Minimum							
Maximum						***************************************	
Average		000000000000000000000000000000000000000	000000000000000000000000000000000000000	***************************************		000000000000000000000000000000000000000	
Count		000000000000000000000000000000000000000		***************************************		000000000000000000000000000000000000000	200000000000000000000000000000000000000
Name of Resp	onsible I cartify	runder the ne	nalty of law that	⊺ Signature o	f Responsible C	fficial or	Submission
Official or Aut	horized have pe	reva villanora	nined and am	Author	ized Representa	ative	Date/Time
Representa	ative familian	r with the info	rmation		<u>In 1 </u>		
•	gramma	ed herein and					
000000000000000000000000000000000000000		of those indiv		800000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000
				,			
		rmation, I bel	ible for obtaining	,			Certification
	land hardet	ad information	- ia tomia - a a a i mat				Version Date
Bruce R	ailey and con	eu mormatioi	n is true, accurat	e I			2015-01-
DI GCC D	y and cor	upiete. I am at	ware that there				Z013-01-
			ies for submitting	9			21 15:01
		formation, inc					
	poss1b1	nty of tine and	<u>l imprisonment.</u>				***************************************

SUBMISSION ID:

467131 Dovetail Energy LLC - Anaerobic Digestion Facility 1146 Herr Rd **FACILITY:**

LOCATION:

Fairborn, OH 45324

COUNTY: Greene DISTRICT: SWDO

STATUS: Revision 1IN00305*AD **PERMIT NUMBER:**

586 STATION CODE: **MONITORING PERIOD:**

2014-12-01 To: 2014-12-31 **REPORTING LAB:** Masi Environmental

ANALYST: Dennis Hooker

				144	D DISCHARGE II	IDICATON.	AL	
PARAMETER	Sludge Fe Weight	e						
PARAMETER CODE	51129							
UNITS	dry tons							
FREQUENCY	1/Year							
SAMPLING								
TYPE	Total							
2014-12-01								
2014-12-02								
2014-12-03								
2014-12-04								
2014-12-05 2014-12-06								
2014-12-07								
2014-12-08								
2014-12-09								
2014-12-10								
2014-12-11								
2014-12-12								
2014-12-13								
2014-12-14								
2014-12-15 2014-12-16								
2014-12-16								
2014-12-18								
2014-12-19		-						
2014-12-20		T						
2014-12-21								
2014-12-22								
2014-12-23								
2014-12-24								
2014-12-25								
2014-12-26 2014-12-27								
2014-12-28								
2014-12-29								
2014-12-30					***************************************	***************************************		
2014-12-31								
Minimum								
Maximum								
Average		000000000000000000000000000000000000000						000000000000000000000000000000000000000
Count		- I						
Name of Resp	onsible I ca	ertify	under the ner	nalty of law that	I Signature o	f Responsible	Official or	Submission
Official or Auth	norized hav	re nei	rsonally exam	ined and am	Author	ized Represent	ative	Date/Time
Representa	tive fan	iliar	with the infor	mation		-		
			ed herein and					
000000000000000000000000000000000000000			of those indivi		000000000000000000000000000000000000000	000000000000000000000000000000000000000		000000000000000000000000000000000000000
				ble for obtaining	· I			C - utifi ti
			mation, I beli					Certification Version Date
D	ål.				e			version pate
Bruce Ba	alley	l com	plete. I am aw	are that there				2015-01-
	are	sign	ficant penalti	es for submittin	1			23 15.03
			ormation, incl		ĺ			21 15:01
				imprisonment.				

Page 7

SUBMISSION ID:

467131 Dovetail Energy LLC - Anaerobic Digestion Facility 1146 Herr Rd **FACILITY:**

LOCATION:

Fairborn, OH 45324

COUNTY: Greene DISTRICT: SWDO

STATUS: Revision 1IN00305*AD **PERMIT NUMBER:**

588 STATION CODE:

MONITORING PERIOD: 2014-12-01 To: 2014-12-31

REPORTING LAB: Masi Environmental ANALYST: Dennis Hooker

			140	DISCHARGE II	IDICATON.		
PARAMETER	Sludge Weight						
PARAMETER CODE	70316						
UNITS	Dry Tons						
FREQUENCY	1/Year						
SAMPLING TYPE	Total						
2014-12-01	106						
2014-12-02							
2014-12-03							
2014-12-04							
2014-12-05							
2014-12-06							
2014-12-07				***************************************		***************************************	
2014-12-08							
2014-12-09							
2014-12-10							
2014-12-11							
2014-12-12							
2014-12-13							
2014-12-14							
2014-12-15							
2014-12-16 2014-12-17							

2014-12-18 2014-12-19			·····			***************************************	
2014-12-19			8				
2014-12-21							
2014-12-22							
2014-12-23							
2014-12-24							
2014-12-25							
2014-12-26							
2014-12-27							
2014-12-28						***************************************	
2014-12-29							
2014-12-30							
2014-12-31							
Minimum	106.0						
Maximum	106.0						
Average	106		8				
Count	1		8				
Name of Responsible I certify under the penalty of law that I Official or Authorized Representative familiar with the information submitted herein and based on my				Signature o Author	f Responsible (ized Represent		Submission Date/Time
inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.							Certification Version Date 2015-01- 21 15:01

Page 8

FACILITY: Dovetail Energy LLC - Anaerobic Digestion Facility

LOCATION: Digestion Facility 1146 Herr Rd

PERMIT NUMBER: MONITORING PERIOD: 1IN00305*AD

2014-12-01 To: 2014-12-31

Fairborn, OH 45324

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
581	Biochemical Oxygen Demand, 5 Day	00310	2014-12-06	mg/l	Lab analyzed for COD instead of BOD. COD result 37,000 mg/L. We've taken steps to sample for BOD in January.